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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/721,439	11/24/2003	Seyed Jafar Jafarian-Tehrani	LAM-P1028X	7139	
7590 01/04/2005		EXAMINER			
David B. Ritchie			DINH, TR	DINH, TRINH VO	
Thelen Reid & Priest LLP					
P. O. Box 640640			ART UNIT	PAPER NUMBER	
San Jose, CA 95164-0640			2821		

DATE MAILED: 01/04/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
Office Action Summary		10/721,439	JAFARIAN-TEHRANI ET AL.			
		Examiner	Art Unit			
		Trinh Vo Dinh	2821			
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
THE - Exte after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY MAILING DATE OF THIS COMMUNICATION. Insions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. It is period for reply specified above is less than thirty (30) days, a reply of period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be timed within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONEI	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).			
Status	۲.		,			
1)🖂	1)⊠ Responsive to communication(s) filed on <u>03 March 2004</u> .					
2a) <u></u> ☐	This action is FINAL . 2b)⊠ This	action is non-final.				
3)	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4) Claim(s) 1-20 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) 1-8 and 12-20 is/are allowed. 6) Claim(s) 9 is/are rejected. 7) Claim(s) 10 and 11 is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.						
Applicati	ion Papers					
9)[The specification is objected to by the Examine	r.				
10)	10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority ι	under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachmen		_	·			
1) Notic	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail Da				
3) 🔯 Inforr	nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date 11/24/03&02/06/04.		atent Application (PTO-152)			

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claim 9 is rejected under 35 U.S.C. 102(e) as being anticipated by Kanno et al (US 2001/0025691).

Kanno discloses, in Fig. 1, an apparatus for testing a plasma etching system having a grounded chamber and a bottom electrode comprising a capacitance measurement device (paragraphs [0084]- [0090]) coupled to the grounded chamber and the bottom electrode (8), and a computer system (18) coupled to the capacitance measurement device.

3. Claim 9 is rejected under 35 U.S.C. 102(e) as being anticipated by Lundquist et al (USP 6,326,794 B1).

Lundquist discloses, in Fig. 1, an apparatus for testing a plasma etching system having a grounded chamber and a bottom electrode (102) comprising a capacitance measurement device (130 in Fig. 1, 420 in Fig. 4 and col. 5, lines 23+) coupled to the grounded chamber and the bottom electrode (102), and a computer system (col. 5, lines 10+) coupled to the capacitance measurement device.

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Allowable Subject Matter

4. Claims 1-8 and 12-20 are presently allowed.

5. Claims 10-11 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

6. The following is a statement of reasons for the indication of allowable subject matter:

The cited art of record fails to teach an apparatus and method for testing a plasma processing system comprising means for measuring a first capacitance value between the bottom electrode and the grounded chamber at atmosphere, and a second capacitance value between the bottom electrode and the grounded chamber at vacuum, means for comparing said first capacitance value with a first reference value, said second capacitance value with a second reference value; and means for identifying and determining any defects in the plasma processing system, said first and second reference value respectively representative of the capacitance of a defect-free chamber at atmosphere and the capacitance of a defect-free chamber including at least one installed consumable hardware part at vacuum as defined in claims 1, 10, 12 and 20.

Inquiry

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Trinh Vo Dinh whose telephone number is (571) 272-1821. The examiner can normally be reached on Monday to Friday from 9:30AM to 6:00PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong, can be reached on (571) 272-1834. The fax phone number for the

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organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Trinh Vo Dinh

December 23, 2004